

19991226.qrp v01_n681.qrl.991226

Date: Sun, 26 Dec 1999 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1681

QRP-L Digest 1681

Topics covered in this issue include:

- 1) [58814] Re: LC Frequency Formula Program
by Francis Flynn <fflynn@together.net>
- 2) [58815] Re: Review: The ARRL Antenna Compendium Vol. 6
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 3) [58816] Federal restrictions
by JClinton46@aol.com
- 4) [58817] Verticals and Noise
by Pete Burbank <plburbank@kih.net>
- 5) [58818] Antenna: Moxon Comments
by "James R. Duffey" <jamesd1@flash.net>
- 6) [58819] Re: antenna restrictions/copper tube coils
by "Mike Yetsko" <myetsko@insydesw.com>
- 7) [58820] Re: Federal restrictions
by Al Patrick <arp@inet4u.com>
- 8) [58821] Re: QRP and Vertical Antennas
by Tim Young <kc7eay@gte.net>
- 9) [58822] Re: Who sells Kent paddles?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 10) [58823] Ten-Tec 1320
by "Richard Clemens" <clemens@wvwc.edu>
- 11) [58824] Re: Antenna: Moxon Comments
by "James R. Duffey" <jamesd1@flash.net>
- 12) [58825] Re: Federal restrictions
by Nv4t@aol.com
- 13) [58826] Another CW/SSB contact on 40M
by Brian <brian@iquest.net>
- 14) [58827] Contest: IAQRP Club Call KQORP active for KnightLite event
by "John Burnley" <burnleyia@home.com>
- 15) [58828] Re: QRP and Vertical Antennas
by PGSPersEng@aol.com
- 16) [58829] Re: Verticals and Noise
by Thomas Kuehl <ac7a@gci-net.com>
- 17) [58830] Re: Verticals and Noise
by Pete Burbank <plburbank@kih.net>
- 18) [58831] Re: antenna restrictions/copper tube coils
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 19) [58832] Re: antenna restrictions/copper tube coils

- by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 20) [58833] Milliwatt Contest - Club stations
by Bob Kellogg <ae4ic@nr.infi.net>
- 21) [58834] Re: QRP and Vertical Antennas
by KB0R@aol.com
- 22) [58835] Deal of the end of the century! - long
by Joe Everhart <n2cx@voicenet.com>
- 23) [58836] Fw: RS Rotator Control Unit
by George F Franklin <w0av@juno.com>
- 24) [58837] ANT/GROUND QUESTION
by ARDUJENSKI@aol.com
- 25) [58838] Antennas: Verticals and Noise
by "James R. Duffey" <jamesd1@flash.net>
- 26) [58839] Re: Deal of the end of the century! - long
by "Hugo Catta" <h.catta@worldnet.att.net>
- 27) [58840] QRP DX on 10 meters
by Tom Palmer <n1tp@worldnet.att.net>
- 28) [58841] Re: Deal of the end of the century! - long
by "Mike Yetsko" <myetsko@insydesw.com>
- 29) [58842] ARRL licensing materials FS
by "Ken Simpson" <W8EK@fdt.net>
- 30) [58843] RE: Milliwatt Contest - Club stations
by Sam Billingsley <SBillingsley@usaninc.com>
- 31) [58844] Re: Verticals and Noise
by "Bob Tellefsen" <n6wg@earthlink.net>
- 32) [58845] A bit early for Alaska
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 33) [58846] AL7FS at 950 mW (1 Watt) stays singular
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 34) [58847] ANTENNAS:Verticals, Noise, Butternut!
by Mark S Adams <msadams@acsu.buffalo.edu>
- 35) [58848] Help with parts acquisition
by Ron White <rwhite@netins.net>
- 36) [58849] Re: Help with parts acquisition
by Al Patrick <arp@inet4u.com>
- 37) [58850] Hamstick Antennas
by "Tim Ahrens" <tahrens@hilconet.com>

Date: Sat, 25 Dec 1999 19:39:42 -0500
From: Francis Flynn <fflynn@together.net>
To: bahr521@earthlink.net, qrp-1@lehigh.edu
Subject: [58814] Re: LC Frequency Formula Program
Message-ID: <386563CE.39F5DFD2@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hamcalc is a collection of programs written in basic for ham radio. Among many other things, there is a resonant circuit calculator.

It's here:

<http://uhavax.hartford.edu/disk%24userdata/faculty/eetsw/www/welcome.html>

Lee Bahr wrote:

> By chance does anyone know the internet site with a program allowing one
> to plug into it two of the three unknowns to determine Frequency,
> Inductance, or Capacitance?

Date: Sat, 25 Dec 1999 20:09:51 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "James R. Duffey" <jamesd1@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58815] Re: Review: The ARRL Antenna Compendium Vol. 6
Message-ID: <Pine.GS0.4.10.9912251947370.22788-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think that these are significant articles for two reasons;
> other league publications such as the Handbook and Antenna Book have largely
> ignored the Moxon antennas even though they are compact antennas that are
> easy to construct.

There are some quite good reasons why the Moxon rectangle (as well as its predecessor, the VK2ABQ square) has not shown up in US print until recently: G6XN's own version of the antenna as described in both editions of his HF Antennas For All Locations is a. scattered in various locations in the book and b. is a wire version with indented corners with both elements remotely tuned. Therefore, it was a difficult antenna to identify and pin down as to its operating mode and its potential. My initial work on the antenna category began with the Communications Quarterly article and did not result in the type of article that QST/Antenna Compendium likes to see until about a year ago, when I sent them the 10-meter aluminum item, a short version of which has been at the site for quite a while--but only a short time in terms of editorial and printing schedules.

I have been lucky enough to see early drafts of some of the articles mentioned by Duffey, including the AA2NN switchable 40 meter version, which is something for QRPers to consider for that band. Even at about

3/8 w1 up, it performs well with very noticable directivity.

There are now versions of the Moxon on virtually all HF and many VHF bands, including the 2-meter version in the latest QST by two of the QRP gang (WA1FXT and KB8WEV), and I have some UHF potential notes in the works for a future AntenneX article. I am also working on some multi-band WARC band designs with a Moxon at the core. Although many folks think about the Moxon wide bandwidth and superior F-B, a significant design factor for cramped yards is the side-to-side width, which is only about 70% of a full size beam of the same general properties. Hence, a 17 meter Moxon takes less side-to-side room than a 15 meter 2-element Yagi.

However, just because I have been involved in (among other things) exploring the potentials of the Moxon rectangle, do not think that I promote this antenna above others. There has been much literature on Yagis, phased designs, etc., and my work is only bringing the Moxon information up to the level of what is available for other types. Then, with data in hand, one can select the antenna whose properties--both performance and mechanical--best suit the operating needs for the station. The Moxon is not for everyone, nor is it the best thing since sliced bread (which does not radiate very well at all). However, it may have the right combination of properties for some installations.

Happt New Year and Happy New Antenna.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (423) 938-6335
1434 High Mesa Drive	/	\	\	----	\	---	
Knoxville, Tennessee	/\	\	\	/	/		http://www.cebik.com
37938-4443 USA	/	\	\	\			e-mail: cebik@utk.edu

Date: Sat, 25 Dec 1999 20:48:38 EST
From: JClinton46@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [58816] Federal restrictions
Message-ID: <0.56afa838.2596cdf6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Not technically a QRP topic.

A ham friend suggested I check out this Ramsey Electronics site. Seems that Uncle Sam thinks a \$5.95 wireless mic kit might be "in violation of US Code Title 18, Section 2512 because they believe their "primary use" was designed for such "surreptitious" use." A number of Ramsey kits were included. Guess some of our tiny QRP kits like TT2 could also be used surreptitiously.

I know sometimes our laws get very ridiculous. This may be one of those times. I realize Ramsey has a proprietary interest but ... Form your own opinion.

I apologize in advance if this is off topic or causes a furor.

Clint Poss
KE4FDT

Date: Sat, 25 Dec 1999 21:04:23 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58817] Verticals and Noise
Message-ID: <3.0.32.19991225204253.0068a198@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,
There was an article in QST sometime in the '80s (I think) about installing a toroid at the base of a vertical to cancel noise. As I recall it actually worked. I have since misplaced the article. Anybody else remember the article?
73 Pete NV4V

Date: Sat, 25 Dec 1999 19:03:00 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Qrp-1@lehigh.edu
Subject: [58818] Antenna: Moxon Comments
Message-ID: <199912260203.UAA14591@bunyip.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

L, B. - Thanks for your comments on the Moxon rectangle in response to my review of Antenna Compendium 6. I agree with your comments on the

slow adoption of the rectangle. Although Moxon did a good job with "HF Antennas for All Locations" he did not give an unambiguous prescription for building the antenna he touts so highly.

As you point out, the Moxon is not a magic bullet. To your advantages of small size I would add the general advantages of 2 element parasitic antennas in general; relatively high radiation resistance for moderate gains, they can be fed directly from 50 Ohm feedlines with no matching devices or networks, are mechanically straightforward to construct, and can be erected at resonable heights as they are lightwieght and do not require a heavy duty mast.

I was happy to see your articles on 2 element antennas in Communications Quarterly and bought several in which they appeared. I am somewhat puzzled as to why the ARRL editorial staff decided to omit almost all references to 2 element parasitc beams in the latest edition (18th ?) of the Antenna Book. They work very well for the investment made and are relatively easy to understand compared to multielement parasitic antennas. Progress is not always improvement.

How on earth did your rectangle turn into a triangle in the table of contents?

Keep up the good work. Your web site is one of the most valuable web resources. - Duffey KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 25 Dec 1999 21:14:28 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ianpurdie@integritynet.com.au>, "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>
Subject: [58819] Re: antenna restrictions/copper tube coils
Message-ID: <005601bf4f48\$49e139c0\$90cffe9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ian,

I never heard the 5-diameter rule before. Thanks for that tidbit.

What do you think of those 'springs' that you put around a pipe prior to bending that are supposed to prevent crushing? Do they work? At all? Or are they one of those things that only work under certain circumstances, and people get POed when they don't use it under the right conditions and then blame the tool instead of themselves?

Mike

>Drbob92031@aol.com wrote:

>

>> I found that in making a coil from narrow diameter hollow tubing, on
>> occasion the hollow tube may "kink". To avoid this; I filled the hollow
tube
>> with any "pourable" substance. eg: sand, plain earth etc. this will
prevent
>> the "kinking" when bending the hollow tubing.. When finished you can pour
out
>> the material.

>

>Us plumbers use extremely dry sand when bending tube, particularly if using
heat.

>The operative words are "extremely dry" if you consider using heat as an
aid to

>bending. The sand is retained in the pipe with cotton wadding (or similar)
at one

>end and the tube gently tapped to allow the sand to settle further into the
pipe

>and finally sealed with cotton wadding again

>

>Sand, or any material for that matter, which is slightly moist and trapped
in

>tube to which heat is being applied is likely to explode. On this count you
>better believe me, it is highly dangerous. Usual precautions. BTW never try
to

>bend to a radius less than 5 pipe diameters.

>

>

>72/73's

>

>Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00"
E

>VK2TIP "I'll give you the TIP mate" QRP-L member #1978.

>URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

>

>

>

Date: Sat, 25 Dec 1999 22:45:40 -0500
From: Al Patrick <arp@inet4u.com>
To: JClinton46@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [58820] Re: Federal restrictions
Message-ID: <38658F64.9E817A3F@inet4u.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Reminds me of something I read years ago, so it may not be exactly right, but delivers a point.

It's said that Elijah prayed a 63 word prayer and called down fire from heaven. Abraham Lincoln's Gettysburg Address was only 300 (?) words. The Constitution of the United States is only about 2000 words (?) long. However, the government has something like 2000 pages on how to grade cabbage. Again, numbers not exact, but the idea is the same.

I looked at the Ramsey site. Seems there are 12 to 15 kits that threaten this government that will probably be used by the New World Order to subdue the world -- all the while saying they are doing it "for the children". Yeah! Just like WACO!

Al

JClinton46@aol.com wrote:

> Not technically a QRP topic.

>

> A ham friend suggested I check out this Ramsey Electronics site. Seems that
> Uncle Sam thinks a \$5.95 wireless mic kit might be "in violation of US Code
> Title 18, Section 2512 because they believe their "primary use" was designed
> for such "surreptitious" use." A number of Ramsey kits were included. Guess
> some of our tiny QRP kits like TT2 could also be used surreptitiously.

>

> I know sometimes our laws get very ridiculous. This may be one of those
> times. I realize Ramsey has a proprietary interest but ... Form your own
> opinion.

>

> I apologize in advance if this is off topic or causes a furor.

>

> Clint Poss

> KE4FDT

Date: Sat, 25 Dec 1999 19:59:13 -0800
From: Tim Young <kc7eay@gte.net>
To: QRP-L Post <qrp-l@Lehigh.EDU>
Subject: [58821] Re: QRP and Vertical Antennas
Message-ID: <38659290.5C9E1693@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I still have more questions about radials, what would happen if I was just ground the base to the metal roofing? I believe the antenna is mounted on a galvanized pipe about 8' above the roof and he is using a tuner. Jim has a tower or gazebo like thing on top of the main roof that the antenna is mounted to off to one side of the main ridge line. Thanks in advance

Bob Hightower wrote:

> At 01:32 PM 12/25/99 -0800, you wrote:
> >Bill, I have a friend who is planing on mounting a Butternut on his roof.
> I'm not
> >sure of the model, but having no experience with such an antenna, I am of
> not much
> >help. You say you have 18 radials, now if he mounts his antenna on the
> peak of the
> >roof would he just lay the radials on the roof with say, 10 gauge
> insulated wire?
> >Thanks for your help
> >
> I just want to jump in here on the subject of radials.....I used 22 guage
> wire for mine. The wire diameter doesn't really matter, it's the number of
> radials that make the difference. 10 guage would be pretty visible, I would
> think.
>
> Bob Hightower KI7MN
> Chandler, AZ
>
> <http://www.extremezone.com/~ki7mn>

--
73 Tim, kc7eay Fists#5961 ARCI#9872 QRPp#2423

Remember..... "Without CW it's just CB"

Date: Sat, 25 Dec 1999 23:43:43 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <mulveyr@iname.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58822] Re: Who sells Kent paddles?
Message-ID: <003001bf4f5b\$cb3c2d00\$2a599cd1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Rich,

Kent sold to Alpha Delta.

GL

72 Kevin N2T0

Date: Sat, 25 Dec 1999 23:53:12 -0500
From: "Richard Clemens" <clemens@wvwc.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [58823] Ten-Tec 1320
Message-ID: <04524724022416@wvwc.edu>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Santa arrived with my "requested" Ten-Tec 1320 20 Meter CW Transceiver. Any comments/suggestions before I begin construction?

--
Richard Clemens
clemens@wvwc.edu

Date: Sat, 25 Dec 1999 22:04:30 -0700

From: "James R. Duffey" <jamesd1@flash.net>
To: ARDUJENSKI@aol.com
Cc: Qrp-1@lehigh.edu
Subject: [58824] Re: Antenna: Moxon Comments
Message-ID: <199912260504.XAA00656@bunyip.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Alan - Yes it will. However the breakeven height for horizontal polarization vs. vertical polarization at low angles is about a half wavelength. It should be easy to erect the Moxon at this height, 16 ft or so, on 10 M. The vertical orientation should be useful for local work. - Dr. Megacycle KK6MC/5
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

>From: ARDUJENSKI@aol.com
>To: jamesd1@flash.net
>Subject: Re: Antenna: Moxon Comments
>Date: Sat, Dec 25, 1999, 07:21 PM
>

>For 10M will the MOXON work equally well oriented vertically?
>Alan KB7MBI
>

Date: Sun, 26 Dec 1999 00:09:44 EST
From: Nv4t@aol.com
To: JClinton46@aol.com, qrp-1@lehigh.edu
Subject: [58825] Re: Federal restrictions
Message-ID: <0.d18f340b.2596fd18@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It had to happen sooner or later! Unfortunately the majority don't realize they have already sold their souls to the government(or is that the socialists).

They can have my radios and my guns over my dead body!!!

nv4t

"I love my country, but I fear my government"

Date: Sun, 26 Dec 1999 00:19:12 -0500
From: Brian <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [58826] Another CW/SSB contact on 40M
Message-ID: <3865A550.416BD35B@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well again, I was dialing around 40m, looking for somewhere to jump in and start a QSO when I hear V31JP, on SSB, calling DX QRZ etc...

So for the heck of it, I sent DE KB9BVN and son of a gun!! He replied and gave me a 599 signal report from Belize! He was 59 here in Indiana and Joe is a real nice guy for acknowledging my QRP signal.

This may be my best shot at a QSL card for DXCC. The Cubans I work don't seem to be able to get a card to me.

Anyway...thought I'd share that one.

72

--

=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====

Date: Sun, 26 Dec 1999 00:03:36 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>
Subject: [58827] Contest: IAQRP Club Call KQ0RP active for KnightLite event
Message-ID: <001501bf4f66\$f2dd2160\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will activate it's club call KQ0RP

for the KnightLite's Holiday Milliwatt Contest. Please look for us (and the other club stations) for those bonus points. Remember that the Holiday Milliwatt contest is the first leg of the Milliwatt Triple Crown sponsored by the KnightLites, Ft. Smith QRP Club, and the Iowa QRP Club. Turn the power down and join in the fun!

72, John NU0V

Date: Sun, 26 Dec 1999 01:12:40 EST
From: PGSPersEng@aol.com
To: QRP-L@lehigh.edu
Subject: [58828] Re: QRP and Vertical Antennas
Message-ID: <0.78dd3ab0.25970bd8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

For several years I've been running an R7 mounted about 8 ft high on a utility shed. It's been my primary antenna.

With it I've worked DXCC/QRP and WAS/QRP and am 96% done with WAS at <1W.

Safe to say I'm pretty satisfied with it.

72, Happy Holidays
Paul, AA1MI

Date: Sat, 25 Dec 1999 23:09:34 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58829] Re: Verticals and Noise
Message-ID: <3865B11E.A56151A5@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Pete:

Could you be thinking of a short piece that appeared in Ham Radio Magazine's "Technical Forum" column?

It was titled "Making Verticals Quieter," by Robert Crawford, WA6RYZ, and appeared in the June 1983 issue, page 98.

The article shows a 1:1 or 1:4 transformer connected between the coaxial feedline and the vertical antenna and its radials. The transformer is made from an Amidon T-200 toroid with 11 bifilar turns and appears to be connected in a phase-reversal arrangement. Such a connection seems that it would only be effective in canceling common-mode noise.

Several years ago I wound one the transformers and tried it on my old 80-10 meter Hy-Tower Junior vertical. I would listen to the various noise sources on 80 meters, with and without the transformer in the circuit. Although this is a very subjective way to compare two different configurations, the ear is a good indicator of change. It is my opinion that the transformer didn't make any difference whatsoever.

I suspect that this transformer idea would be most effective with a balanced antenna. The author even states that the origin of the idea came from Ace Collins, K6VV, who used it with ground-independent antennas. If we look at almost any vertical antenna installation it is difficult to find one that is truly balanced. The earth return path surrounding a vertical element is anything but uniform and may be very lossy. Because of the inherent asymmetry of the usual vertical arrangement the antenna is not balanced. A vertically oriented dipole, well above the earth, would come closest to a balanced arrangement.

So in a nutshell I am not sure this idea really works with the everyday vertical installation. I would be pleased to be disproved since I use verticals as my primary antennas. IMHO I think the vertical noise issue is a bit over-played, which I am sure will really open all this up for discussion.

I hope that everyone who celebrated Christmas today found it to be a wonderful, blessed day.

Best Regards, Thomas - AC7A (Tucson)

Pete Burbank wrote:

> Gang,
> There was an article in QST sometime in the '80s (I think) about
> installing a toroid at the base of a vertical to cancel noise.
> As I recall it actually worked. I have since misplaced the
> article. Anybody else remember the article?
> 73 Pete NV4V

Date: Sun, 26 Dec 1999 03:02:31 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58830] Re.Verticals and Noise
Message-ID: <3.0.32.19991226030226.00714c64@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks Thomas for such a complete answer. No wonder I couldn't find the article....I was looking in the wrong pile of magazines! It's been over 10 years ago since I tried the toroids on a pair of phased 5/8 wave verticals on 30 meters and to me (again a subjective measurement) it seemed to lower the noise a bit and the toroids seemed fairly transparent to the signals. What with all the noisy electric heaters and Holiday decorations this time of year I thought I would try it at this QTH. As I recall, upon first glance at the circuit it looked like you were feeding your ground system. At the same time I taped several split cores around the RG-213 at the base of the antennas. For me, antennas are one of those "hold your mouth right operations" but I seem to get lucky with verticals. Hopefully next summer I can get up another 50 foot one but I need to do some reading about less than quarter wave spacing of long verticals. I agree about the noise issue being overplayed and I'm sure that has to do with the take-off angle. I'm sure you already know this but some might be interested that the take-off angle from a 5/8 wave vertical is about 11 Degrees. That angle gets your signal into Europe with one hop but also makes you susceptible to every hair dryer in the neighborhood. Thanks for the reply and Happy Holidays!
73 Pete NV4V

Date: Sun, 26 Dec 1999 20:24:27 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [58831] Re: antenna restrictions/copper tube coils
Message-ID: <3865DECB.2F8A7494@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

wj5o@juno.com wrote:

> Hi Ian,
> An additional approach to well shaped coils from copper tubing is torch
> heating and rapid quenching. Copper works the opposite of other metals
> and becomes very pliable. (for at least one reshaping).
> Can be re-heated and quenched again if shaped in error.

100% correct but my earlier comments re filling with very dry sand still apply. The sand is used to prevent kinks etc. in pipe (o.k. tube deformation if u want to be strictly correct). The tube actually is better shaped whilst "cherry red" in colour.

Therefore using your method Bill, you still need the sand. BTW over here it's called annealing copper tube, but with relatively short radius bends your annealed tube will kink without sand or as some people (electricians / plumbers) use "bending springs".

Denny what do you refrigeration guys use?

For small dia tube, as we would probably use for a loading coil you can buy tube already annealed at automotive spares outlets BUT if you see a need to apply further heat treatment then my earlier comments still apply - with caution. NEVER fill with a moist material (I don't mean visually moist either) and apply heat. At home fill with sand you have dried out in an oven. Won't thrill XYL but better than having your very own copper tube hand grenade.

Don't doubt me, every semester I had at least one recalcitrant apprentice at college disregard instructions.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00"
E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Sun, 26 Dec 1999 20:44:34 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58832] Re: antenna restrictions/copper tube coils
Message-ID: <3865E382.1B9975DA@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

> Ian,
>
> I never heard the 5-diameter rule before. Thanks for that tidbit.
>
> What do you think of those 'springs' that you put around a pipe
> prior to bending that are supposed to prevent crushing? Do they
> work? At all?

That's 5 dia RADIUS (it's a lot BTW). Springs are better used internally but have never been my preferred choice. Same rule applies and I've seen a few bits of tube wrecked up by ignoring this rule.

Real professionals use tube benders preferably made by "Rigid" - US firm. I don't like the 3/4" benders (but I do have a love affair with my small 1/2" one) because of the large radius and the tool itself is HUGE (relatively speaking).

On a cost basis, when I was still working, my time was worth \$1 per minute, yet a prefabricated bend only cost me about .80 plus soldering time but always looked neater (If it looks right, it must be right - old axiom).

I've built some flash looking antennas with the 1/2" bender but unfortunately the results were always highly subjective and very unscientific in analysis - something else I must remedy next century.

My principal concern here originally was always personal safety.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Sun, 26 Dec 1999 08:23:57 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: klqrp <klqrp@vramp.net>, QRP-L <qrp-l@Lehigh.EDU>
Subject: [58833] Milliwatt Contest - Club stations
Message-ID: <3866411D.A67CF4A1@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here are the Club stations reporting they plan to operate during the
Holiday Milliwatt contest:

KQ0RP - Iowa
WQ4RP - NC
W4ATC - NC
W4LOW - NC
KG4FTH - NC

Also, KJ5TF will also be operating the AR club station, but I've
misplaced the call. (Sorry, Jim, you can tell us which call the AR team
will be using)

Club stations will be signing /C.

These clubs will be operating on all bands except the WARC bands near
the usual QRP calling frequencies. It may appear the east and midwest
have an advantage, but anything can happen this afternoon on 10M!

Also, if you can operate your club station (doesn't have to be a QRP
club) for a portion of the contest, please feel free to do so. Just
sign /C, and note the rules so you can be sure of the bonus points
you're handing out. Send me an email, so I can keep track of which Club
Stations operate.

Holiday Milliwatt contest Rules can be found on the ARCI site, and also
<http://www.qsl.net/kj5tf>

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Probably, not necessary. - Benny Hill

Date: Sun, 26 Dec 1999 09:19:41 EST
From: KB0R@aol.com
To: KD6AXT@cs.com, qrp-l@lehigh.edu
Subject: [58834] Re: QRP and Vertical Antennas

Message-ID: <0.6c72b674.25977dfd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have been very happy with my old R7 for qrp. We won FYBO two years ago with the R7 (Minnesota QRP Society WQ0RP) and also did very well in QRPTTF two years ago with N0UR up at corner of MN,ND,SD. Easy to take down and set up for portable. Use it as my main antenna here at home. Look around and find one used for about \$150. Or you might try the newer R7000.

72,
Larry

Date: Sun, 26 Dec 1999 09:32:20 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: dndcomp@earthlink.net
Subject: [58835] Deal of the end of the century! - long
Message-ID: <199912261432.JAA428958@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here's something I posted on the njqrp reflector so that then NJ guys could have the benefit of first "crack". I've now checked with the proprietor and he asked me to put it on the "big" list.

BTW, it **is** qrp since we NJQRP'ers are gonna use 'em as portabbble loggers.

By now I've lost most of you. :-)

With a title like that this **has** to be spam, right?

Actually, no it is not.

You may have seen my earlier posting on qrp-l asking if anyone knew of a small DOS logging program for my Poqet.

Well let me tell you it's one neat machine!

Admittedly it's sunset technology, but quite useful for qrp'ers nonetheless.

The machine is a Poqet PQ0181. It was one of the first "palmtops" an 8088 machine running like a pc compatible XT. However it is only 1.2 lbs, measures less than 9x4x1 inches and it runs off two AA cells for several weeks! It has DOS 3.3 in ROM and features two solid state "disks" each 1 meg in size. Best of all, the ram disk cards are PCMCIA type I compatible and I have been using mine to exchange data and programs with my laptop! External wired interface to the Poqet is via an RS-232 port (runs up to 19.2k) and a 2400 baud external modem is included.

I think this is a winner for qrp portable use - once I get a usable logger program.

The best part is that it is only \$25 + postage!

You can order it from Jerry, W2GIA the proprietor of Disks N Data in Cherry Hill, NJ. His e-mail address is

dndcomp@earthlink.net

and you can even call him for info at (800)833-6893 .

My only interest in spreading the word is sharing the deal with my qrp buddies. While Jerry is my friend, I paid full price for my Poqet (and other computers!) and I have no financial interest in his business.

Think of this as my Christmas gift to the group.

Wishing all on the list a happy holiday season, best wishes to your families and may we all work QRP DXCC, WAS, WAC, etc. in 2000!

72/73,

Joe E., N2CX

Date: Sun, 26 Dec 1999 09:40:05 CST
From: George F Franklin <w0av@juno.com>
To: qrp-l@lehigh.edu
Subject: [58836] Fw: RS Rotator Control Unit
Message-ID: <19991226.094006.-4144885.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Esteemed Colleagues,

My RS Control Box for the 15-1225A TV rotor went up in smoke (literally) about a week ago (after 9 years of flawless service) and I can't turn my (QRP) VHF beam.

Does any one out there have a RS Control Box (Model No. 15-1225A on the unit) for sale?

The rotator/control unit is still in the RS catalog at \$64.95, but I don't (yet) need the rotator.

Thanks in advance and 72

George/W0AV
QRP since 1935
K2 #550

Date: Sun, 26 Dec 1999 10:43:38 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [58837] ANT/GROUND QUESTION
Message-ID: <0.270704af.259791aa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I am helping a fella set up his ham station. Two questions:

(1)We drilled a hole thru the side of the house to pass the coax. The question is whether we can pass the ground wire thru the same opening without creating any problems with his coax line.

(2)If we do a separate hole for the ground, would the installation of a stainless steel thru bolt(all-thread) with nuts/washers to secure on each side to secure in place and wing nuts to secure the wires significantly affect the ground performance?

Alan KB7MBI

Date: Sun, 26 Dec 1999 08:44:38 -0700
From: "James R. Duffey" <jamesd1@flash.net>

To: qrp-1@lehigh.edu
Cc: plburbank@kih.net, ac7a@gci-net.com
Subject: [58838] Antennas: Verticals and Noise
Message-ID: <199912261544.JAA11283@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Pete and Thomas, I think that Thomas's comments on noise on verticals is appropriate. In my use of verticals I have not noticed significant changes in noise solely due to polarization. However you may see differences due to directionality, that is a noise source off the end of a dipole will be less of a problem than the same noise source on a vertical.

I think that the reputation that a vertical is "noisy" may stem from currents flowing on the outside of the coax. This is a problem when the length of a radial and the feedline is a multiple of a half wavelength. Thus if the feedline passes near the AC line or an appliance that radiates noise it can seem noisy.

One solution to this is to use a choke in the feedline at the feed point of the antenna. An coil of coax will work (see the handbook for details), as will ferrite beads slipped over the outside of the coax, as will coax wound on a ferrite core. For stubborn cases another "choke" near the source (transmitter or tuner) will also help. Link coupled tuners such as the Z-Match and Matchbox=81 will also help.

I hope that this does not degrade the signal-to-noise ratio of this discussion too much. :^)+ - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 26 Dec 1999 10:54:11 -0500
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <n2cx@voicenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58839] Re: Deal of the end of the century! - long
Message-ID: <001e01bf4fb9\$74961480\$1ff94e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

...snip....

measures less than 9x4x1 inches and it.....
...snip....

9x4x1 ?? ... 3*2 x 2*2 x 1*2

same mathematical relations to the "monolite" in 2001.....

mmmhhhh... Are you trying to tell us something, Joe ?
Will a wonderful event be triggered by logging QRPs QSOs with it ?

72,
Merry and Happy One
Hugo
CX9AAK/W2

PS. What is the display's size/characters ?

>

Date: Sun, 26 Dec 1999 15:56:59 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [58840] QRP DX on 10 meters
Message-ID: <38663ACB.833BD1C6@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

10 meters is wide open for easy pickins DX.

Tom, N1TP
Naples, Florida

Date: Sun, 26 Dec 1999 11:02:05 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <h.catta@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58841] Re: Deal of the end of the century! - long
Message-ID: <004301bf4fba\$af1280c0\$72a6fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Remember in the 'later' books they figured out that the monolith was the alien celestial equivalent of a "Swiss Army Knife", do anything kind of tool. Once you see the Poquet, you might think something similar. I haven't seen one for maybe 8 or 9 years, but I can still remember when I saw it that I was QUITE impressed!

Mike

>...snip....
>measures less than 9x4x1 inches and it.....
>...snip....
>
>9x4x1 ?? ... 3*2 x 2*2 x 1*2
>
>same mathematical relations to the "monolite" in 2001.....
>
>mmmmhhh... Are you trying to tell us something, Joe ?
>Will a wonderful event be triggered by logging QRPs QSOs with it ?
>
>72,
>Merry and Happy One
>Hugo
>CX9AAK/W2
>
>PS. What is the display's size/characters ?
>
>
>>
>
>

Date: Sun, 26 Dec 1999 13:06:48 -0500
From: "Ken Simpson" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>, "HamGear at Onelist" <hamgear@onelist.com>
Subject: [58842] ARRL licensing materials FS
Message-ID: <000801bf4fcc\$80482e40\$5bb2fea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A few days ago, someone was looking for books such as
"Now You're Talking". Here are some that I found:

1981 Tune in the World with Ham Radio - 3rd edition - \$ 5
1986 Tune in the World with Ham Radio - 6th edition - \$ 5
1991 Now You're Talking - First Edition - \$ 7
1993 Now You're Talking - 2nd edition - \$ 8

1976 Radio Amateur License Manual - 75th edition -
"half size" book - like new - \$ 10
1984 Radio Amateur's License manual - 80th edition
full size book \$ 4

ARRL Technician Class License Manual
First Edition - 1989 - small size \$ 4

ARRL General Class License Manual
First Edition - 1989 - small size - \$ 4
2nd edition - 1997 - medium size - \$ 8

ARRL Advanced Class License Manual
First Edition - 1985 - small size - \$ 4
2nd edition - 1988 - small size - \$ 4
3rd edition - 1990 - small size - \$ 4

4th edition - 1995 - medium size - \$ 7

73 General Class License Study Guide - 1978 - \$ 3

ARRL Technician Class Exam Course - 1993
First Edition - first printing
This is the course material to go along with
the video tape series. \$ 10

1989 FCC Rule Book - 8th edition - \$ 4
1987 FCC Rule Book - 7th edition - \$ 4

Prices do not include shipping from Florida.

Thanks,
Merry Christmas and Happy New Year.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Sun, 26 Dec 1999 13:17:40 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: ae4ic@nr.infi.net, klqrp <klqrp@vramp.net>, QRP-L <qrp-l@Lehigh.EDU>
Subject: [58843] RE: Milliwatt Contest - Club stations
Message-ID: <66FCE0D1DF76D311913800805F6D0FA341FF6B@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Bob,

I'll throw the "new" North Georgia QRP Club call in the mix KG4FRD. We have applied for a neat vanity QRP call but it's not here yet.

So I'll start it off for NOGA at 1800Z at 5W with Inverted L or Butternut Vertical. I'll be limited to two hours today unless I can get another NOGA station to pickup the call.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

> -----Original Message-----
> From: Bob Kellogg [SMTP:ae4ic@nr.infi.net]
> Sent: Sunday, December 26, 1999 11:24 AM
> To: klqrp; QRP-L
> Subject: Milliwatt Contest - Club stations
>
> Here are the Club stations reporting they plan to operate during the
> Holiday Milliwatt contest:
>
> KQ0RP - Iowa

> WQ4RP - NC
> W4ATC - NC
> W4LOW - NC
> KG4FTH - NC
>
> Also, KJ5TF will also be operating the AR club station, but I've
> misplaced the call. (Sorry, Jim, you can tell us which call the AR team
> will be using)
>
> Club stations will be signing /C.
>
> These clubs will be operating on all bands except the WARC bands near
> the usual QRP calling frequencies. It may appear the east and midwest
> have an advantage, but anything can happen this afternoon on 10M!
>
> Also, if you can operate your club station (doesn't have to be a QRP
> club) for a portion of the contest, please feel free to do so. Just
> sign /C, and note the rules so you can be sure of the bonus points
> you're handing out. Send me an email, so I can keep track of which Club
> Stations operate.
>
> Holiday Milliwatt contest Rules can be found on the ARCI site, and also
> <http://www.qsl.net/kj5tf>
>
> CUL,
> Bob Kellogg, AE4IC Greensboro, NC
> Probably, not necessary. - Benny Hill
> ===== KL QRP Club Mailing List =====
> To unsubscribe from this list, send email to listserver@vramp.net
> and put the text "unsubscribe klqrp" in the message. To post a
> message to the list, send email to klqrp@vramp.net.

Date: Sun, 26 Dec 1999 10:38:11 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58844] Re: Verticals and Noise
Message-ID: <[01bf4fd0\\$5cdb96f0\\$80d4fc9e@ham.earthlink.net](mailto:01bf4fd0$5cdb96f0$80d4fc9e@ham.earthlink.net)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pete

I haven't seen that article, but I ran across a different mention recently
on one of the Top Band (160m) reflectors, can't recall which at the moment.
It mentioned using a toroid transformer (1:1) to isolate the antenna and its

ground system from the feedline and the shack ground system. The idea was to isolate the antenna system from noises induced through the shack ground system.

This would require the antenna to be matched to 50 ohms at its base, then run through the 1:1 transformer to the shack.

Actually, if a very long run of feedline was needed, there is no reason the transformer couldn't be a step up, such as to 91, 300 or 450 ohm line. Then an identical transformer would be needed in the shack to get back to 50 ohms.

73, Bob N6WG

Date: Sun, 26 Dec 1999 10:08:08 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [58845] A bit early for Alaska
Message-ID: <38666798.8FFEAF8A@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

So far I have only copied K1QM with his one watt but he is giving out 449s and I copy only 229. Maybe I can sneak in a contact of two in the 2nd hour. I will be running 950 mW with the KLM KT34A at 40 feet.

Jim

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (Info at <http://www.icq.com/>)

Date: Sun, 26 Dec 1999 11:09:27 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [58846] AL7FS at 950 mW (1 Watt) stays singular
Message-ID: <386675F7.388976AB@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

I only worked NN0F on 15 mtrs today. Perhaps tomorrow will be better two hours later. I suspect Monday and Tuesday will be our best days

assuming anyone is there to work on the weekday.

I am interested to see how this propagation bulletin system is going to work. It is interesting to see the changes and to see the Aurora numbers.

SFI=178 | A=14 | K=1 up from 0 at 1800 on 26 December. SAF: low to moderate, GMF: quiet to unsettled

Aurora Level: 5

More: <http://hfradio.org/propagation.html>

See you all tomorrow.

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (Info at <http://www.icq.com/>)

Date: Sun, 26 Dec 1999 16:27:18 -0500 (EST)
From: Mark S Adams <msadams@acsu.buffalo.edu>
To: QRP Fanatics <qrp-1@lehigh.edu>
Subject: [58847] ANTENNAS:Verticals, Noise, Butternut!
Message-ID: <Pine.GS0.4.05.9912261618450.19573-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

My thoughts related to this discussion. I have had an HF6V up for about 3 years. During that time I've also had up MANY wire antennas. Right now I have the B-NUT with a 50' doublet up 35' and a 150' inverted -L up 40'.

I find that the B-NUT is better 90+% of the time compared to whatever wire is up. Of course I can A-B-C-D switch the antennas to compare. In my case the key, I think, is that the B-NUT is 135' back of the house and 250' from the power lines. I have a choke coil at the feedpoint and one at the entrance to the house. About 25 radials from 8-130' are buried in the yard in various directions.

The only time the vertical loses to a wire is when the path is very short. O/W, I can count on the B-NUT. If it blew down right now (and it is really windy outside today, I would mail order another one ASAP.

Just my opinion. Oh, it is also quieter than any other antenna I have put up. Probably due to its being way out back away from the power lines.

72, Mark N2VPK
Member of the Buffalo QRP Connection

Date: Sun, 26 Dec 1999 16:00:56 -0600
From: Ron White <rwhite@netins.net>
To: qrp-l@Lehigh.EDU
Subject: [58848] Help with parts acquisition
Message-ID: <3.0.1.32.19991226160056.00739c6c@pop3.netins.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I am having a terrible time finding some parts for projects and hope someone can help.

I would like to build the cw decoder that's presented on page 22.22 of the 2000 Handbook, but I have looked for hours (on the web) for the ne567cn chip with no luck. I can find an lm567 which sounds like the same thing, but I'm not sure if it is.=20

Can the lm567 be substituted for the ne567?
Is there a place to buy the ne567cn?

Thanks for any help you can give me on this.

Ron

Ron White
e-mail: rwhite@netins.net
amateur radio: wa=D8mww
"greed kills conscience"

Date: Sun, 26 Dec 1999 18:09:05 -0500
From: Al Patrick <arp@inet4u.com>
To: rwhite@netins.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [58849] Re: Help with parts acquisition
Message-ID: <3866A010.5627D679@inet4u.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Ron,

I am not familiar with the chip and did a search as you presented it "ne567cn" and also came up blank. HOWEVER, I tried putting a - between the ne and 567cn and BINGO. I got several hits, only one of which seemed of value. It deals with ICs. A search of the page showed the one you want and lists it as a tone decoder. I think you are in business! Go to:

<http://www.joenit.com/Electronics/Catalog/C10.Htm>

Lots of luck.

Al kb4les

Ron White wrote:

> I am having a terrible time finding some parts for projects and hope
> someone can help.
>
> I would like to build the cw decoder that's presented on page 22.22 of the
> 2000 Handbook, but I have looked for hours (on the web) for the ne567cn
> chip with no luck. I can find an lm567 which sounds like the same thing,
> but I'm not sure if it is.
>
> Can the lm567 be substituted for the ne567?
> Is there a place to buy the ne567cn?
>
> Thanks for any help you can give me on this.
>
> Ron
>
> Ron White
> e-mail: rwhite@netins.net
> amateur radio: wa mwww
> "greed kills conscience"

Date: Sun, 26 Dec 1999 17:09:41 -0800
From: "Tim Ahrens" <tahrens@hilconet.com>
To: <qrp-1@lehigh.edu>
Subject: [58850] Hamstick Antennas
Message-ID: <000301bf5007\$11ecfbc0\$340247cf@timahren>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks - found out that I will be commuting a bit in the next month or so, so I picked up a couple of Ham Stick type antennas. (yeah, I know, the screwdriver is better, etc). However, I thought the big antenna would look kinda funny on my little Prizm.

Anyhow, I got a 40 and 20 meter antenna, and the mount has an SO-239 for coax to the rig. My 259B says it isn't good enough!!

Would someone give me some hints on how to best match these guys? I can put a tuner at the rig (near the cockpit), but is there a simpler way for single banders?

Thanks!

Tim W5FN

End of QRP-L Digest 1681

